

DESCRIPTION OF MAP UNITS

Alluvium-Unconsolidated silt, sand, and Qal gravel along active streams and washes.

Floodplain and channel deposits-silt, sand, and gravel, locally cobbly and bouldery. Qan

Qpm

Playa lake deposits-lacustrine clay, silt, and

Landslide debris-disaggregated rock and

Qms surficial deposits. Piedmont slope deposits-poorly sorted, un-

QUATERNARY

Mount Dutton Formation

TERTIARY

Tis

Tby

Qap,

consolidated silt, sand, and gravel on sloping surfaces from deposition (alluvial fans) and erosion (pediments). Older piedmont slope deposits-poorly to Oap.

moderately indurated, poorly sorted silt, sand, and gravel mantling pediment remnants. UNCONFORMITY Sevier River Formation-poorly to moderately

Tse consolidated, light-gray, tan, pinkish-gray, and white silty-pebbly sandstone and conglomerate with local air-fall tuffs. UNCONFORMITY Alluvial facies-gray and brown, dacitic to an-

Tda desitic volcanic mudflow-breccia, conglomerate, and tuffaceous sandstone, with subordinate lava flows and autoclastic flow-breccia. Undivided, mixed vent and alluvial facies.

Tdu Vent facies, flow breccia. Tdv

Sandstone member-soft, light-gray, yellow or Tds tan, cross-bedded, zeolite-cemented tuffa-

ceous sandstone. Spry intrusion-light-gray to reddish-orange quartz latite porphyry, with phenocrysts of

plagioclase, amphibole, minor quartz and

pale- to dark-gray and greenish-gray, zeolite-

biotite in a groundmass of microcrystalline feldspar and quartz. Kingston Canyon Tuff member-resistant, pale

Tdk purple, plagioclase-biotite vitric welded tuff. Bear Valley Formation-weak, cross-bedded,

cemented, tuffaceous sandstone. Buckskin Breccia-moderately resistant, gray to grayish-pink, lithic-crystal ash-flow tuff.

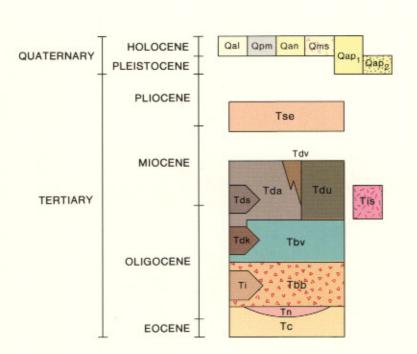
Isom Formation-ledge-forming, pale red, Ti reddish-purple, and reddish-purplish-gray, densely welded vitric-crystal ash-flow tuff.

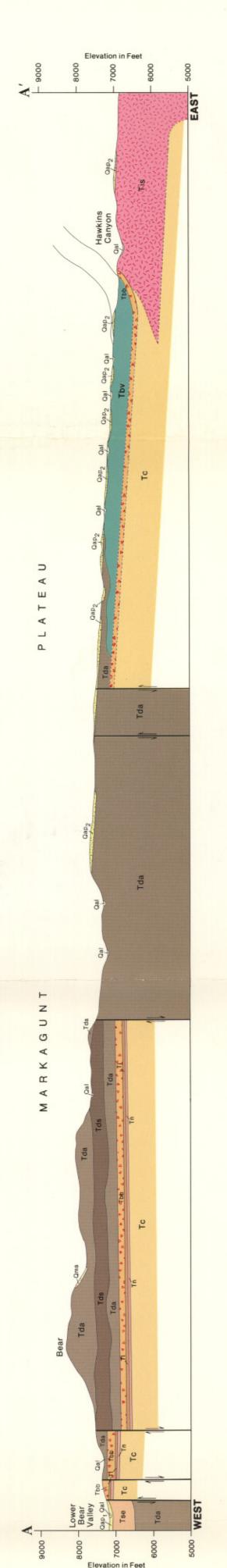
Tn flow tuff; appears only on cross section.

Needles Range Formation-crystal-rich ash-

Claron Formation-well-bedded, argillaceous,

Tc freshwater limestone, calcareous siltstone and shale, sandstone, and subordinate conglomerate.





Dashed where approximately located

Dashed where location inferred; dotted where covered; bar and ball on downthrown side

CONTACT

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FAULT

STRIKE AND DIP OF BEDS

IDENTIFIABLE STRUCTURAL LINEAMENT

JOINT SET Orientation of prominent sub-vertical

joint set in the Spry intrusion

LINEATIONS AND SLICKENSIDES Bearing and plunge of lineations and

slickensides in the Spry intrusion

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